



Name: Dr. DEBASHRI MONDAL

Designation: Assistant Professor

Specialization: Fisheries

Qualification: M.Sc., B.Ed, Ph.D

E-mail: drdebashrimondal@gmail.com

Research Interests:

Limnology, Hydrobiology, Aquatic Toxicology and Aquaculture

Details of Employment (from present to past):

Organisation	Period		Designation	Type of Experience	Nature of Work
	From	To			
Raiganj University, Raiganj, Uttar Dinajpur, West Bengal	29.08.2018	Till Date	Assistant Professor (Stage-III) in Zoology	Teaching and Research	Conducting Theory and Laboratory Session of UG and PG students, Guiding M.Phil and Ph. D. scholars
Charuchandra College, Kolkata, West Bengal, India	04.02.2017	28.08.2018	Assistant Professor (Stage-II) in Zoology	Teaching	Conducting Theory and Laboratory Session
Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur, West Bengal, India	03.10.2008	03.02.2017	Assistant Professor (Stage-II) in Zoology	Teaching and other administrative Jobs	Conducting Theory and Laboratory Session

Maharani Indiradevi Balika Vidyalaya, Coochbehar, West Bengal, India	15.12.2007	02.10.2008	Assistant Mistress in Biological Sciences	Teaching	Conducting Theory Classes
Birsha Bidyabhaban Vidyalaya, Jalpaiguri, West Bengal, India	12.10.2007	05.12.2007	Assistant Teacher in Biological Sciences	Teaching	Conducting Theory Classes

Research Experience:

Presently working on Toxicity of neem pesticides on *Channa Punctatus* (Bloch).; Hydrobiological study of Kulik River and Tangon River of Uttar Dinajpur, West Bengal, Mahananda River of Malda, West Bengal and Puntimari River of Assam.

Earlier, Worked as a Project Fellow under a Research Project entitled “Revival of Mirik Lake, Darjeeling for Designated Use” of National Environmental Engineering Research Institute (NEERI), Nagpur funded by KMDA from October, 2005-September, 2007.

Also worked as a Research Scholar from June, 2003 to September, 2005 in the Department of Zoology, University of North Bengal .

Research Guidance:

One M.Phil Scholar awarded the M.Phil degree in 2019.

Administrative Experience:

Member of Board of Studies (Under Graduate) in Zoology at the University of Gour Banga, Malda.

Joint Convenor of Celebration of the “World Wetlands Day” on 02.02.2021 at Raiganj University.

Member of Board of Research Studies in Zoology at Raiganj University since 16.01.2019.

Member of Board of Studies (Under Graduate and Post Graduate) in Zoology at the Raiganj University, Raiganj.

Head of the Department of Zoology, Raiganj Surendranath Mahavidyalaya, Raiganj from 03.10.2008 to 03.02.2017.

Member of Board of Studies (Under Graduate) in Zoology at the University of Gour Banga, Malda during the academic year 2013-2017.

Member of Academic Council, Raiganj Surendranath Mahavidyalaya from 03.10.2008 to 03.02.2017.

Member of IQAC, Raiganj Surendranath Mahavidyalaya from 19.08.2015 to 03.02.2017

Expert for selection of guest lecturer at Raiganj Surendranath Mahavidyalaya during the year 2010, 2014 and 2016.

Expert for selection of Teacher at Kendrya Vidyalaya Raiganj, BSF Govindpur, Uttar Dinajpur (03.03.2016)

Member of Election Comittee, Raiganj Surendranath Mahavidyalaya in the educational year 2010-2011, 2013-14 and 2014-15.

Awards/ Fellowships/ Recognition, etc:

Acted as Judge in the district science project competition on 25th September, 2015.

Acted as Judge in the district science fair competition on 28th September, 2015 at the invitation of

the District Youth Officer, Uttar Dinajpur district.

Recipient of a UGC Minor Research Project in the year 2014 (Project No. PSW- 090/13-14 (ERO) ID No. WGB-007 Dated 18 March 2014)

Obtained fellowship under a project of National Environmental Engineering Research Institute (CSIR), Nagpur.

Ph.D. from University of North Bengal in the year 2009.

Qualified in UGC-CSIR NET in the year 2004 and 2005.

Qualified in GATE (Graduate Level Aptitude Test in Engineering) in Life Sciences in the year 2004.

Extra-curricular Activities:

Sangeet visharad in Rabindra Sangeet.

Senior Diploma in Najrul Geeti.

Obtained “Diploma in Office Automation” from M.I.C.E. (Manipal Institute of Computer Education).

Publications:

Total No. - Eighteen (18)

Papers in peer-reviewed Journals: Fourteen (14)

Mondal, D. (2020). Seasonal Variations in Abundance and Distribution of Pollution Indicator Bacteria of an Eastern Himalayan Lake of India. *Advances in Zoology and Botany*, 8(5): 383-391. DOI: 10.13189/azb.2020.080502. ISSN 2331-5083.

Mondal, D. (2020). Diversity of Chlorophyceae in The Mirik Lake of The Darjeeling Himalayan Region. *Uttar Pradesh Journal of Zoology*, 41(7): 1-6. ISSN 0256-971X (P).

Mondal, D. (2018). The Utilization of Aquatic Weeds in an environmental friendly way of fish feed formulation- A Review. *International Research Journal of Environmental Sciences*, 7 (2): 60-66. ISSN 2319-1414.

Mondal, D., Pal, J (2014). Diversity of Cyanophyceae in the Mirik Lake of Darjeeling Himalaya, India. *International Journal of Science and Research*, 3 (12) 2080-2083. ISSN 2319-7064.

Mondal, T., **Mondal, D.** and Mondal, S. (2013). Conservation Strategies of Medicinal Plants of North Bengal for a better tomorrow. *Journal of Today's Biological Sciences: Research & Review*, 2 (2): 83-88. ISSN 2320-1444.

Mondal, D., Pal, J., Ghosh, T.K. and Biswas, A.K. (2013). Diversity of Cladocerans and Copepods Mirik Lake in Darjeeling Himalaya. *Journal of Today's Biological Sciences: Research & Review*, 2 (1): 36-46. ISSN 2320-1444.

Ghosh, T.K. and **Mondal, D.** (2012). Eutrophication: Causative factors and remedial measures. *Journal of Today's Biological Sciences: Research & Review*, 1 (1): 160-190. ISSN 2320-1444.

Mondal, D., Pal, J., Ghosh, T.K. and Biswas, A.K. (2012). Rotifer diversity of Mirik Lake in Darjeeling Himalaya. *European Journal of Experimental Biology*, 2 (5):1451-1456. ISSN 2248-9215.

Mondal, D., Pal, J., Ghosh, T.K. and Biswas, A.K. (2012). Abiotic characteristics of Mirik Lake water in the hills of Darjeeling, West Bengal, India. *Advances in Applied Science Research*, 3 (3):1335-1345. ISSN 0976-8610.

Mondal, D. and Mondal, T. (2012). A Review on efficacy of *Azadirachta indica* A. Juss based biopesticides: An Indian perspective. *Research Journal of Recent Sciences*, 1(3): 94-99. ISSN 2277-2502.

Mondal, D., Pal, J., Ghosh, T.K. and Biswas, A.K. (2008). Biological assessment of water quality of Mirik lake in Darjeeling hills West Bengal with reference to algal communities. *NBU J. Anim. Sc.* 2(2): 50-59.

Mondal, D., Pal, J., Ghosh, T.K. and Biswas, A.K. 2007. Fecal coliform, total coliform and heterotrophic bacterial analysis of water of Mirik lake in Darjeeling hills. *NBU J. Anim. Sc.*, 1: 99 - 103.

Mondal, D., Barat, S. and Mukhopadhyay, M. K. (2007). Toxicity of neem pesticides on a fresh water loach *Lepidocephalichthys guntea* (Hamilton Buchanan) of Darjeeling district in west Bengal. *J. Environ. Biol.* 28 (1): 119-122. ISSN 2394-0379.

Mondal, D. and S. Barat (2004). Effect of varying stocking density of sword tail (Xiphophorous helleri Heckel) on the water quality and growth rate. *J. Inland Fish. Soc. India*, 36(2), 25 – 30. (2004). ISSN 0379-3435.

Publication in Book: One (1)

Mondal, D. (2020). Hydrobiological Study of the Mirik Lake of the Darjeeling Hills. Lambert Academic Publishing, Germany. ISBN (978-620-2-52488-9). 08th May, 2020

Chapters in Books: Three (3)

Mondal, D. (2020). Toxic Effects of Neem Based Bio-pesticides on Fish. pp. 63-70. In: Mitra, S. and Sarkar, S. (eds.) Frontier Aspects of Natural Sciences. The Banaras Mercantile Co., Kolkata. ISBN- 978-81-86359-83-4.

Mondal, D., Pal, J., Ghosh, T.K. (2015). Diversity of bacillariophyceae in the Mirik Lake of Darjeeling Himalaya. pp. 23-30. In: Das Biswas, R. and Sarkar, A. (eds.) Biodiversity and Sustainability: Opportunities and Challenges. Raiganj Surendranath Mahavidyalaya. West Bengal. ISBN :978-93-5254-104-1.

Mondal, D., Pal, J., Ghosh, T.K. and Biswas, A.K. (2009). Biological monitoring of water quality of Mirik lake in the Darjeeling Himalaya on the basis of algal

communities. pp. 86-94. In: Kosygin, L. (ed.) Wetlands of North East India: Ecology, Aquatic Bioresources and Conservation. Akanksha Publishers. New Delhi. ISBN - 8183701876

Participation in Workshop/Orientation/Refresher Courses and Faculty Development Programmes:

Total No.- Eight (08)

Workshops: Total No.-Five (05)

Workshop on “Analysis and Representation of Educational Data Through SPSS and AMOS (Under UGC- RUSA 2.0)” during 3rd to 9th February, 2020 organized by Department of Education, Jadavpur University, Kolkata, West Bengal.

Workshop on “Real-Time PCR” on 16th February, 2019 organized by Diverse Genomics Pvt. Ltd. in association with Department of Zoology, Charuchandra College, Kolkata, West Bengal.

Department of Higher Education, Government of West Bengal sponsored National level Workshop on “Contemporary Laboratory and Field Courses in Zoological Science” during 22nd November to 1st December, 2015 organized by Department Of Zoology, A.P.C. Roy Government College, Matigara, Siliguri, West Bengal.

Workshop on “Know your CAS(Carrier Advancement System)” organized by IQAC, Shree Agrasen Mahavidyalaya, Dalkhola, West Bengal during February 14, 2015

UGC Sponsored National Workshop on “Application of Statistical Methods: An Interdisciplinary Approach” during 5-11 September, 2012, organized by Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur.

Workshop on “Sustainable Aquaculture Development in North Bengal” on 6th May, 2003, organized by Department of Zoology, University of North Bengal.

Faculty Development Programme:

Total No. - One (01)

Faculty Development Programme on “ICT Based New Paradigms of E-Teaching and E-Learning: Digital Pedagogy” organized by Mata Sundari College for Women in association with Ramanujan College, University of Delhi during 15th September, 2020 to 30th September (two weeks), 2020.

Refresher Courses:

Total No.-Two (02)

UGC Sponsored 3rd Refresher Course in Life Sciences organized by the UGC Academic Staff College, University of North Bengal, Raja Rammohanpur, Darjeeling during 29th November-09th December (21 days), 2014.

UGC Sponsored 1st Refresher Course in Life Science (Inter disciplinary) organized by the UGC Academic Staff College, University of North Bengal, Raja Rammohanpur, Darjeeling during 8-28 September (21 days), 2011.

Orientation Programme:

Total No.-One (01)

UGC Sponsored 3rd Orientation Programme organized by the UGC Academic Staff College, University of North Bengal, Raja Rammohanpur, Darjeeling during 3-30 August (28 days), 2010.

Participation in International Conferences/ Symposia:

Total No. - Six (06)

International Seminar on “Sustainable Development and Inclusive Growth” during March 3-4 , 2020, organized by Post Graduate Department of Geography and Department of Statistics Lady Brabourne College, Kolkata **Title of Paper:** Plankton Diversity of Mirik Lake in the Darjeeling Himalaya.

International Seminar on “Environmental Crisis: Issues, Challenges, Portrayals and Laws” during February, 14, 2020 organized by Manikchak College, Malda, West Bengal, India. **Title of Paper:** Pollution Tolerant Plankton of Mirik Lake in the Darjeeling Himalaya.

International Conference on “Biological Sciences in Human Welfare” during July, 09, 2018 organized by Department of Botany, Rishi Bankim Chandra College, Naihati, 24 Parganas (North), West Bengal. **Title of Paper:** Nutritional Anemia in Young Children.

International Conference on “Contemporary Health Issues and Environmental impact” during November, 30, 2017 organized by Department of Zoology, Sarojini Naidu College for Women, Kolkata In collaboration with: Department of Zoology, West Bengal State University & Lincoln University College, Malaysia **Title of Paper:** The Role of Environmental Factors in Childhood Asthma.

International Conference on “Modern trends in Social and Basic Sciences” during March, 27-28, 2015, organized by Alipurduar College, Alipurduar, West Bengal, India. **Title of Paper:** Bacteriological Analysis of Water of Mirik Lake in Darjeeling Himalaya.

International Conference on the Theme “Mother Earth: Save it to Achieve a Sustainable Future for All” during December, 10-12, 2014, organized by Department of Environmental Science, The University of Burdwan. **Title of Paper:** Density and Diversity of Chlorophyceae in the Mirik Lake of Darjeeling Hills.

Participation in National and State level Conferences/ Symposia/Webinar:

Total No. – Twenty two (22)

State Level Webinar on “Mosquito Borne Diseases, Their Control and Perspectives of Environmental Health” on 04.09.2020, organised by the Department of Zoology, Patronized by IQAC, Maharajadhiraj Uday Chand Women’s College, Burdwan.

International Webinar on "COVID-19 Pandemic and Co-infections: Challenges, Prospective Treatments and Societal Impact" held on 31st August, 2020, organized by Department of Microbiology, Raiganj University.

International Webinar on “Covid-19 Pandemic: a Search for Relief” held on 22nd August, 2020 organized by the Department of Chemistry in Association with IQAC, Charuchandra College, Kolkata, West Bengal, India.

State level Seminar on “Industrialisation in Post-Colonial India with Special Reference to West Bengal: Some Key Observations” held on April, 29, 2016, organized by RSM Research Group, Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur.

National Seminar on “Man and Microbes” during March, 28-29, 2016, organized by Raiganj University, Raiganj, Uttar Dinajpur, West Bengal. **Title of Paper:** Coliform Bacterial Analysis of the Mirik Lake in Darjeeling Himalaya.

State level Seminar on “Industrialisation during Colonial and Post-Colonial India with Special Reference to Tea” during March, 16, 2016, organized by RSM Research Group, Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur.

National Seminar on “Back to Nature: Entrepreneurship Development by Learning from Nature” during February, 7, 2016, organized by Nature Club, Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur.

A State –Level Convention on “To Kill or Not to Kill? Rethinking Capital Punishment, Governance and Justice” during September, 28, 2015, organized by IQAC, Department of English and Philosophy, Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur.

National Seminar on “Different Horizons of Lokasangskriti” during May, 2 -3, 2015, organized by Raiganj Surendranath Mahavidyalaya, Raiganj, West Bengal and Folklore Congress Association of India.

22nd West Bengal State Science and Technology Congress-2015 during February, 28 - March, 1, 2015, organized by Department of Science and Technology, Government of West Bengal, West Bengal State Council of Science and Technology and University of North Bengal.

National Conference on “Applied Zoology in Sustainable Development: An Update” during January, 30- February, 02, 2015, organized by Department of Zoology, The University of North Bengal. **Title of Paper:** Density and Diversity of Zooplankton in the Mirik Lake of Darjeeling Hills.

National Seminar on “Cultural Plurality and Nation Making in India, Issues and Problems in Retrospect(Focus on Eastern and North- Eastern India)” during November, 07-08 2014, organized by Shree Agrasen Mahavidyalaya, Dalkhola, Uttar Dinajpur, West Bengal.

National Seminar on “Relevance of Swami Vivekananda in 21st Century” during March, 22-23, 2013, organized by Raiganj University College, Raiganj, Uttar Dinajpur, West Bengal.

UGC sponsored National Seminar on “Biodiversity and Sustainability vis-a vis Economic Development in the Northern Parts of West Bengal” during August, 26-27, 2012, organized by Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur. **Title of Paper:** Rotifer diversity of Mirik Lake in Darjeeling Hills.

National Conference on “Evaluation of Biodiversity of Eastern Himalaya and Adjoining Plains” during December, 01-04, 2010, organized by Department of Zoology, University of North Bengal. **Title of Paper:** Diversity of phytoplankton of Mirik Lake in the hills of Darjeeling, West Bengal.

National Symposium on “Pesticide Stress on Target, Non-target Organisms and Human Health” during February, 11-12, 2010 organized by Department of Zoology, University of North Bengal.

Silver Jubilee Symposium on “Dimensions of Research Applications in Animal Sciences” during December, 02-03, 2008, organized by Department of Zoology, University of North Bengal. **Title of Paper:** Biological Assessment of Water Quality of Mirik Lake in Darjeeling Hills, West Bengal with the help of Algal Communities.

UGC Sponsored State Level Conference on “Re(-) membering the Revolt of 1857: Nationalist thought in Postcolonial India” during November, 27-28, 2008 organized by Department of English, Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur.

National Symposium on “Cross-Tack between Zoology and Technology” during November, 16-17, 2006 organized by Department of Zoology, University of North Bengal. **Title of Paper:** Physico-Chemical Properties of water of Mirik Lake in Darjeeling Himalayas.

National Seminar on “Management Challenges in Fisheries of Rivers and Associated Ecosystems-Issues and Strategies” during April, 16-17 2005, organized by central Inland Fisheries Research Institute, Barrackpore, West Bengal. **Title of Paper:** Toxicity of two neem pesticides on a hill stream fish *Lepidocephalichthys guntea* (Hamilton Buchanan).

National Seminar on “Prospects of Ornamental fish Breeding and culture in Eastern and North-Eastern India” during February, 16-17, 2004, organized by Central Institute of Fisheries Education (Deemed University), ICAR Kolkata Centre. **Title of Paper:** Effect of varying stocking density of red sword tail (*Xiphophorus helleri* Heckel) on the water quality and growth rate.

National Symposium on “Assessment and Management of Bio-resources” during May, 28-30, 2003, organized by Department of Zoology, University of North Bengal. **Title of Paper:** Survey of the Ichthyofauna in the Mahananda Reservoir at Fulbari Barrage, Jalpaiguri District, West Bengal.